## SEQUENCE LISTING

<110> Kapeller-Libermann, Rosana Carroll, Joseph M.

<120> 23565, A NOVEL HUMAN ZINC CARBOXYPEPTIDASE FAMILY MEMBER AND USES THEREOF

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Trp Arg Gly Pro Ala Arg Pro Ser Leu Pro Val Asp Met Arg Val Pro

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gct Ala	tac Tyr	agc Ser	atc Ile 105	atg Met	ata Ile	aag Lys	gac Asp	atc Ile 110	cag Gln	gtg Val	ctg Leu	ctg Leu	gat Asp 115	gag Glu	gaa Glu	510
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Ile Tyr Ser Trp Ile Asp Asn Phe Val Met Glu His Ser Asp Ile Val
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                                         155
Ser Lys Ile Gln Ile Gly Asn Ser Phe Glu Asn Gln Ser Ile Leu Val
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Leu Lys Phe Ser Thr Gly Gly Ser Arg His Pro Ala Ile Trp Ile Asp
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Thr Gly Ile His Ser Arg Glu Trp Ile Thr His Ala Thr Gly Ile Trp
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Thr Ala Asn Lys Ile Val Ser Asp Tyr Gly Lys Asp Arg Val Leu Thr
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Lys Ser Ile Arg Pro Gly Ile Phe Cys Ile Gly Val Asp Leu Asn Arg
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Asn Trp Lys Ser Gly Phe Gly Gly Asn Gly Ser Asn Ser Asn Pro Cys
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Ser Glu Thr Tyr His Gly Pro Ser Pro Gln Ser Glu Ser Glu Val Ala
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Ala Ile Val Asn Phe Ile Thr Ala His Gly Asn Phe Lys Ala Leu Ile
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Ser Ile His Ser Tyr Ser Gln Met Leu Met Tyr Pro Tyr Gly Arg Leu
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Leu Glu Pro Val Ser Asn Gln Arg Glu Leu Tyr Asp Leu Ala Lys Asp
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Ala Val Glu Ala Leu Tyr Lys Val His Gly Ile Glu Tyr Ile Phe Gly
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Ser Ile Ser Thr Thr Leu Tyr Val Ala Ser Gly Ile Thr Val Asp Trp
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Ala Tyr Asp Ser Gly Ile Lys Tyr Ala Phe Ser Phe Glu Leu Arg Asp
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Thr Gly Gln Tyr Gly Phe Leu Leu Pro Ala Thr Gln Ile Ile Pro Thr
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1311

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                             40
Glu Asn Glu Pro Glu Val Phe Ala Val Ala Gly Trp Ile His Ala Arg
                        55
                                             60
Glu Trp Val Thr Ser Ala Thr Leu Leu Trp Leu Leu Lys Glu Leu Val
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Ala Asn Tyr Gly Ser Asp Lys Thr Ile Thr Lys Leu Leu Asp Gly Leu
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Asp Leu Phe Tyr Ile Leu Pro Val Phe Asn Pro Asp Gly Tyr Ala Tyr
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                                105
Ser Ile Thr Thr Asp Ser Tyr Arg Met Trp Arg Lys Thr Arg Ser Pro
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                                                 125
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                                            140
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                                185
Ala Tyr Ile Thr Phe His Ser Tyr Ser Gln Leu Leu Tyr Pro Tyr
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Gly Tyr Asp Tyr Asn Leu Asn Pro Asp Ala Asn Asp Leu Asp Glu Leu
                        215
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Ser Asp Leu Lys Ile Ala Ala Asp Ala Leu Ser Ala Arg His Gly Thr
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                                        235
Tyr Tyr Thr Leu Gly Leu Pro Gly Ser Ser Thr Ile Tyr Pro Ala Ser
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250

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Ala Gly Gly Ser Asp Asp Trp Ala Tyr Asp Val Gly Ile Ile Lys Tyr
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Ile Asp Ala Gly Ile His Ala Arg Glu Trp Ile Ala Pro Ala Thr Ala
Leu Tyr Leu Ile Asn Gln Leu Leu Thr Asn Glu Thr Glu Tyr Ser Lys
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Asp Pro Asp Asp Glu Gly Ser Val Thr Lys Leu Leu Asp Lys Leu Asp
                                    90
Trp Tyr Ile Val Pro Val Met Asn Pro Asp Gly Tyr Glu Tyr Thr His
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Thr Ser Thr Asp Arg Leu Trp Arg Lys Asn Arg Ser Pro Asn Gly Ala
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Ser Gly Ser Gln Gly Thr Trp Tyr Asn Cys Tyr Gly Val Asp Leu Asn
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Arg Asn Phe Asp Phe His Asn Trp Gly Glu Ile Gly Gly Ser Ser Ser
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Leu Pro Cys Ser Glu Thr Tyr Ala Gly Ser Ser Pro Phe Ser Glu Trp
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                                    170
Glu Pro Glu Thr Lys Ala Leu Leu Asp Phe Ile Leu Ser Asn Glu Ile
            180
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Gly Lys Gly Arg Ile Lys Ala Tyr Ile Ser Leu His Ser Tyr Ser Gln
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                            200
Leu Leu Leu Tyr Pro Tyr Gly Tyr Thr Asn Ala Thr Val Pro Pro Asn
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                                            220
Gly Glu Asp Leu His Lys Glu Val Ala Lys Ala Ala Ala Lys Ala Ile
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                                        235
Gly Asp Tyr Tyr Phe Gly Gly Thr Leu Tyr Thr Pro Gly Ser Ser Ser
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Ala Asp Pro Asp Leu Asp Ile Thr Leu Tyr Pro Ala Ser Gly Gly Ser
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                                265
Asp Asp Trp Ala Tyr Gly Thr Leu Lys Gly Val Lys Tyr Ser Tyr Thr
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Ile Glu Leu Arg Asp Thr Gly Asp Asp Ala Gly Arg Tyr Gly Phe Leu
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Thr Gly Glu Glu
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